



## **PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ZHOU et al.

Serial No.: 10/727,670

Filed: December 5, 2003

Group Art Unit: 2661

Examiner: Not Assigned

RESIDUAL FREQUENCY ERROR ESTIMATION IN AN OFDM RECEIVER

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

For:

Attached are Forms PTO-1449 (PTO/SB/O8A & B), plus copies of any foreign patent document or non-patent literature cited therein. It is respectfully requested that the Examiner consider the enclosed documents in accordance with MPEP 609 by placing the Examiner's initials in the left column of the form PTO-1449, and returning the completed form PTO-1449 to the undersigned upon the next communication from the Patent Office. .

This Information Disclosure Statement is filed after three months of filing the application, but before the mailing of a first action on the merits. The listed documents were cited in the attached International Search Report issued in a counterpart PCT application not more than three months ago. See the degree of relevancy and the particular passages cited for each document in that Search Report.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice 10/727,670 ZHOU *et al*. Page 2

that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Respectfully submitted,

Manelli Denison & Selter PLLC

Leon R. Turkevich Registration No. 34,035

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Date: April 18, 2005

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Substitute	e for form 1449A/PTO	Q're	BADE ALEE	Complete if Known			
			·	Application Number	10/727,670		
IN	FORMATION	l Di	SCLOSURE	Filing Date	December 5, 2003		
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				Group Art Unit	2661		
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Sheet	1	of	2	Attorney Docket Number	95-533		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Kind Code <sup>w</sup> Number (if known)				
		2004/004935	Zhu et al.	01-08-2004		
-		6,529,783	Combelles et al.	03-04-2003		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known)		MM-DD-YYYY	Passages or Relevant Figures Appear	T <sup>6</sup>
		UK	2 368 250		Hitachi Kokusai Electric Inc.	04-24-2002		
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

## PTO/SB/08B (Modified) Complete if Known Substitute for form 1449B/PTO **Application Number** 10/727,670 Filing Date December 5, 2003 **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT First Named Inventor **ZHOU Group Art Unit** 2661 (use as many sheets as necessary) **Examiner Name** Not Assigned

**Attorney Docket Number** 

95-533

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Sheet

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*			
		KAPOOR et al., "Pilot Assisted Synchronization for Wireless OFDM Systems Over Fast Time Varying Fading Channels", VEHICULAR TECHNOLOGY CONFERENCE, 1998, 48th IEEE Ottawa, Ontario, Canada, May 18-21, 1998, Vol. 3, pp. 2077-2080, IEEE, New York	
		CLAßEN et al., "Synchronization Algorithms for an OFDM System for Mobile Communication", Codierung Fur Quelle, Kanal und Ubertragung, Vortage Der ITG-Fahtagung Oct. 26-28, 1994, ITG Fachberichte, Berlin, DE Verlag, DE Vol. 130, pp. 105-113.	
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Examiner	Data.	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here is English language Translation is attached.